



PATENT NUMBER  
5971115

**U.S. UTILITY PATENT APPLICATION**

O.I.P.E. PATENT DATE  
 SCANNED Sm G.A. JW OCT 26 1999

|        |                  |                       |                       |                        |
|--------|------------------|-----------------------|-----------------------|------------------------|
| SECTOR | CLASS <i>100</i> | SUBCLASS <i>266.2</i> | ART UNIT <i>13613</i> | EXAMINER <i>Butler</i> |
|--------|------------------|-----------------------|-----------------------|------------------------|

FILED WITH: ☐ DISK (CRF) ☐ FICHE  
(Attached in pocket on right inside flap)

**PREPARED AND APPROVED FOR ISSUE**

| ISSUING CLASSIFICATION       |          |       |                                   |     |       |  |  |  |  |
|------------------------------|----------|-------|-----------------------------------|-----|-------|--|--|--|--|
| ORIGINAL                     |          |       | CROSS REFERENCE(S)                |     |       |  |  |  |  |
| CLASS                        | SUBCLASS | CLASS | SUBCLASS (ONE SUBCLASS PER BLOCK) |     |       |  |  |  |  |
| 188                          | 266-2    | 188   | 322.13                            | 314 | 299.1 |  |  |  |  |
| INTERNATIONAL CLASSIFICATION |          |       |                                   |     |       |  |  |  |  |
| F16 F                        | 9/46     |       |                                   |     |       |  |  |  |  |
|                              | /        |       |                                   |     |       |  |  |  |  |
|                              | /        |       |                                   |     |       |  |  |  |  |
|                              | /        |       |                                   |     |       |  |  |  |  |
|                              | /        |       |                                   |     |       |  |  |  |  |
|                              | /        |       |                                   |     |       |  |  |  |  |

☐ Continued on Issue Slip Inside File Jacket

9-28-99 Formal Drawings (4 shts) set 1 9-3-98

|   |  |  |                      |   |  |  |                               |
|---|--|--|----------------------|---|--|--|-------------------------------|
| <input checked="" type="checkbox"/> <b>TERMINAL<br/>DISCLAIMER</b>  | Sheets Drwg. <u>4</u>  |  | Figs. Drwg. <u>5</u> | Print Fig. <u>1</u>                     | <b>CLAIMS ALLOWED</b><br>Total Claims <u>8</u>         |  | Print Claim for O.G. <u>1</u> |
|   | <input type="checkbox"/> a) The term of this patent subsequent to _____ (date) has been disclaimed.                    |  |                      |   | <b>NOTICE OF ALLOWANCE MAILED</b><br><br><u>6-1-99</u> |  |                               |
| <input checked="" type="checkbox"/> b) The term of this patent shall not extend beyond the expiration date of U.S. Patent. No. <u>5,437,254</u> | <u>Douglas C. Butler</u><br><b>DOUGLAS C. BUTLER</b><br><b>PRIMARY EXAMINER</b><br><u>Aug 13</u><br>(Primary Examiner) |  |                      |   | <u>8/24/99</u><br>(Date)                               |  |                               |
|   | <input type="checkbox"/> c) The terminal _____ months of this patent have been disclaimed.                             |  |                      |   | <b>ISSUE FEE</b><br>Amount Due <u>\$605.00</u>         |  |                               |
|   |  |  |                      | <b>ISSUE BATCH NUMBER</b><br><u>T77</u> |  |  |                               |

**WARNING:**

The information disclosed herein may be restricted. Unauthorized disclosure may be prohibited by the United States Code Title 35, Sections 122, 181 and 368. Possession outside the U.S. Patent & Trademark Office is restricted to authorized employees and contractors only.

Form PTO-435A  
(Rev. 1/87)

FORM PTO-1287 U.S. Department of Commerce  
(Rev. 11/92) Patent and Trademark Office

**DISCLAIMER LABEL**

Application No. 09/141509D

A terminal disclaimer has been entered and recorded under 35 USC 43.3 in this file.

**DO NOT DESTROY**

(LABEL AREA)

(FACE)

~~ISSUE NOT TO FILE~~

☆ U.S. GOVERNMENT PRINTING OFFICE: 1964-410, 11

[illegible]